

FIG. 1

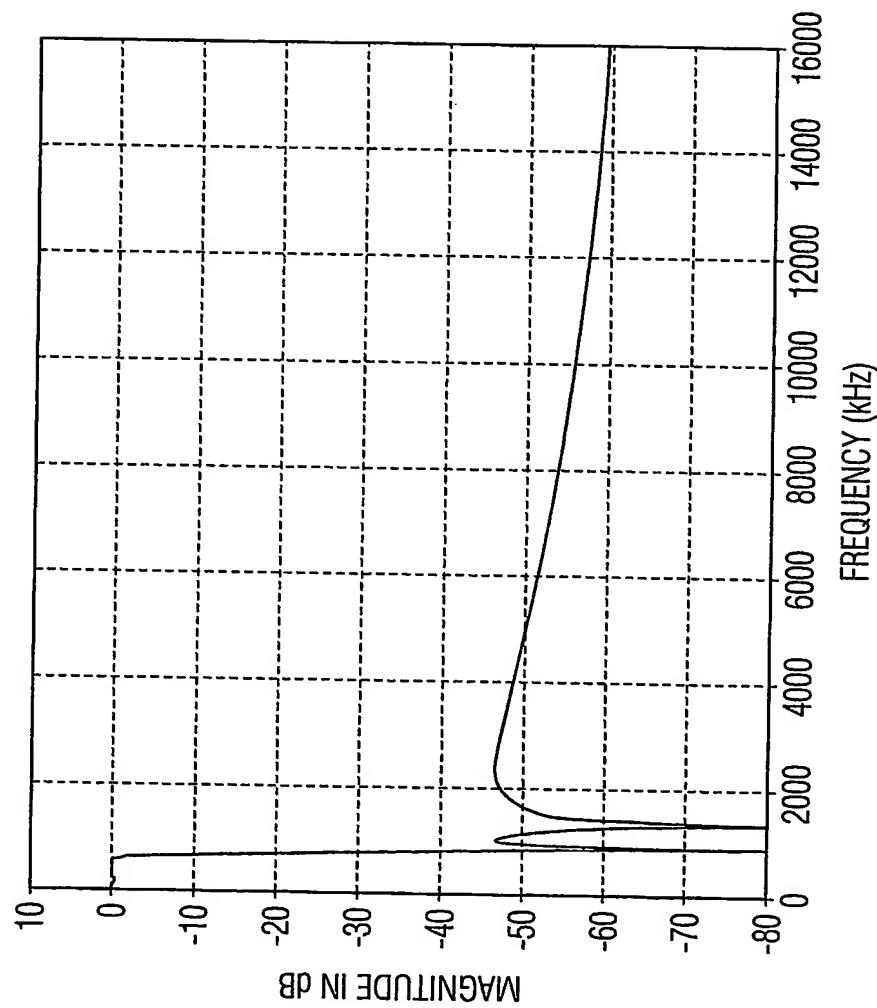


FIG. 2

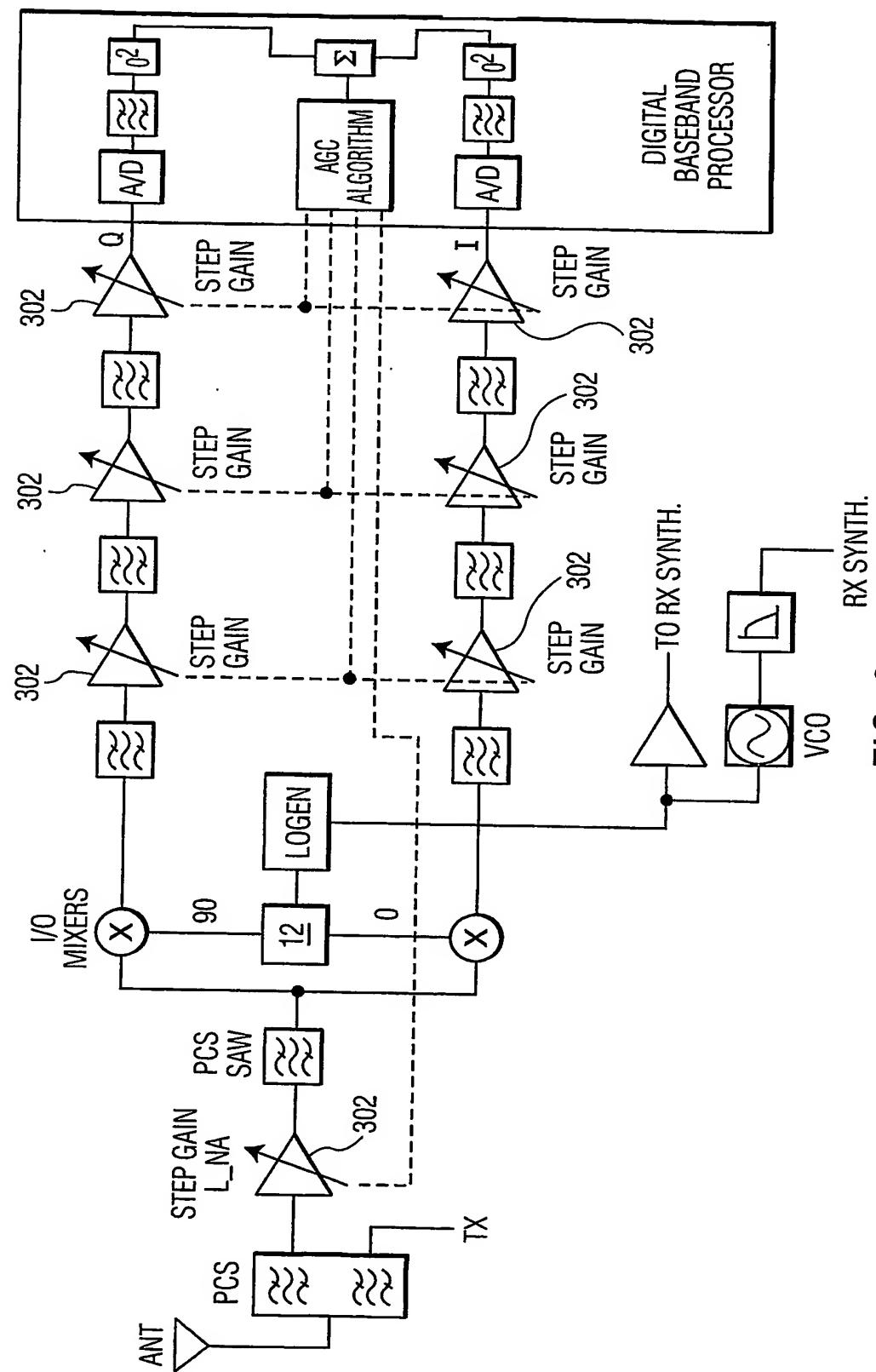


FIG. 3

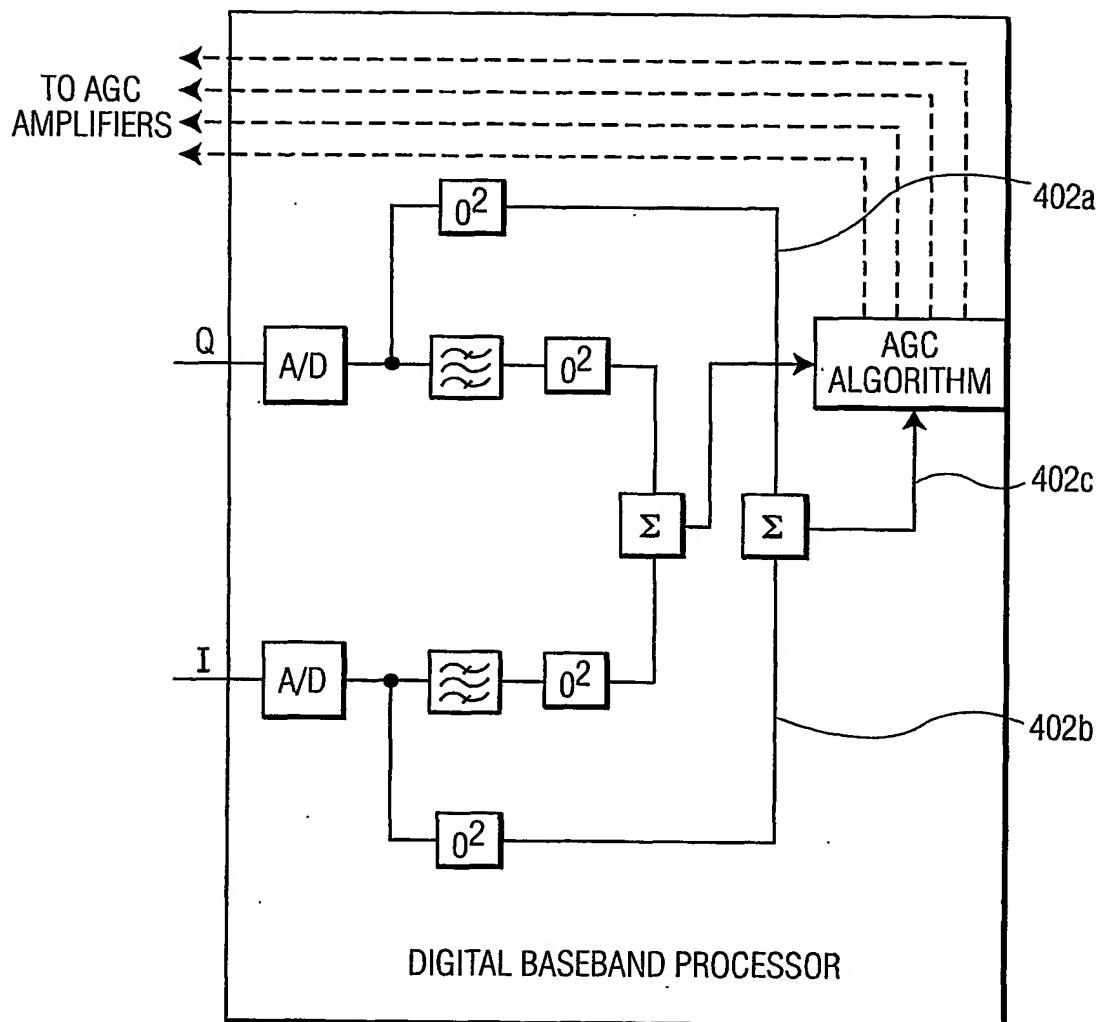


FIG. 4

```
A1=1; A2=1; A3=1; A4=1;      /* ALL AMPLIFIER GAIN STATES SET TO HIGH GAIN */
T1=-83;          /* THRESHOLD 1, AT -83dBm */
T2=-67;          /* THRESHOLD 2, AT -67dBm */
T3=-51;          /* THRESHOLD 3, AT -51dBm */
T4=-35;          /* THRESHOLD 4, AT -35dBm */
Tw=-28;          /* WIDEBAND OVERLOAD THRESHOLD */
h=-3;            /* HYSTERESIS VALUE
do {
    Rw=get_wideband_RSSI_measurement (A1, A2, A3, A4);
    Rn=get_narrowband_RSSI_measurement (A1, A2, A3, A4);
    if (Rw > Tw) then
        A1=0;
    else
    {
        /* NORMAL OPERATION */
        If (Rn>T1 + h) A1=0;
        If (Rn<T1 - h) A1=1;
        If (Rn>T2 + h) A2=0;
        If (Rn<T2 - h) A2=1;
        If (Rn>T3 + h) A3=0;
        If (Rn<T3 - h) A3=1;
        If (Rn>T4 + h) A4=0;
        If (Rn<T4 - h) A4=1;
    }
    update_AGC_amplifier_states (A1, A2, A3, A4);
} while (1==1);
```

FIG. 5

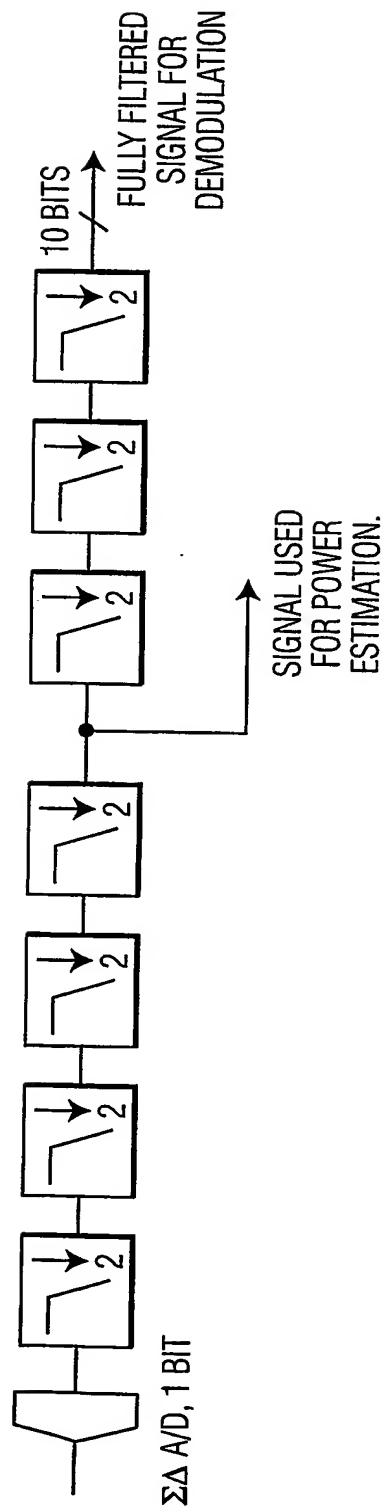


FIG. 6